



Certificate No : MD00/1404/0010/1

Appendix 1

ARCELORMITTAL SOUTH AFRICA LTD.

Vanderbijlpark Steel

Delfos Boulevard

Vanderbijlpark, 1911

PO Box 2, Vanderbijlpark 1900

South Africa

<b>Steelmaking</b>	<b>B.O.S./E.A.F./Con Cast</b>	<b>Grades</b>	
		As Below	
<b>Semi-Finished Products</b>	<b>Slabs</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
		As below	240.0
<b>Plates</b>	<b>Normal Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	A, B	30.0
As Rolled	Killed	A	50.0
Normalized	Fine Grain Al	A, B, D, E	30.0
<b>Plates</b>	<b>Higher Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Normalized	Fine Grain Al	AH32, AH36, DH32, DH36, EH32, EH36, FH32, FH36	30.0
<b>Plates</b>	<b>Boiler &amp; Pressure Vessel</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Killed	360AR, 410AR	40.0
Normalized	Fine Grain Al	360FG, 410FG, 460FG, 490FG, 510FG	30.0
<b>Plates</b>	<b>Ferritic Low Temperature</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Normalized	Fine Grain Al	LTAH32, LTAH36, LTDH32, LTDH36, LTEH32, LTEH36, LTFH32, LTFH36	30.0

Valid Until : 06 May 2020

Date of Issue : 19 July 2017

Gavin Young

Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group



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**ARCELORMITTAL SOUTH AFRICA LTD.**  
**Vanderbijlpark Steel**  
**Delfos Boulevard**  
**Vanderbijlpark, 1911**  
**PO Box 2, Vanderbijlpark 1900**  
**South Africa**

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

**Steelmaking, Semi-Finished Products and Plates**

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

**Valid Until : 06 May 2020**  
**Date of Issue : 19 July 2017**

A handwritten signature in blue ink, appearing to read "G. Young", is written over a horizontal line. The signature is fluid and cursive.

**Gavin Young**

Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group